
Gelsolin Antibody

Subcategory: Mouse Monoclonal Antibody

Cat. No.: 251751

Unit: 0.1 mg

Description:

Gelsolin is a calcium-regulated, actin-modulating protein that binds to the plus ends of actin monomers and filaments, preventing monomer exchange. Gelsolin promotes the assembly of monomers into filaments (nucleation) as well as sever filaments already formed. Defects in gelsolin are the cause of amyloidosis type 5 (AMYL5), also known as familial amyloidosis Finnish type. AMYL5 is a hereditary generalized amyloidosis due to gelsolin amyloid deposition, and is typically characterized by cranial neuropathy and lattice corneal dystrophy. Most patients have modest involvement of internal organs, but severe systemic disease can develop in some individuals, causing peripheral polyneuropathy, amyloid cardiomyopathy, and nephrotic syndrome leading to renal failure.

Isotype: Mouse IgG1

Applications: E, IHC, WB

Species Reactivity: H, M, R

Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4, 0.2% BSA with 0.09% sodium azide. Antibody was purified by anti-mouse IgG affinity chromatography.

Alternate Names: Gelsolin; Actin-depolymerizing factor; ADF; Brevin; AGEL

Accession No.: P06396

Antigen: Human plasma gelsolin.

Application Notes: E: 1:500-1:1,000; WB: 1:100-1:500; IHC: 1:100-1:500

Storage: Store at -20°C. Minimize freeze-thaw cycles.

Product is guaranteed one year from the date of shipment.

Product Citations: Zhang L et al. 2013. Experimental Biology and Medicine. DOI: 10.1177/1535370213503256. PMID# 24047794

For research use only, not for diagnostic or therapeutic procedures.